

# Notice of Allowability

Application No.

09/812,536

Examiner

Michael S. A. Delgado

Applicant(s)

MATENA ET AL.

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 05/19/2006.
2. ☒ The allowed claim(s) is/are 1, 3-5, 8-13 and 15-19 hereafter referred to as 1-15.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All b) ☐ Some\* c) ☐ None of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

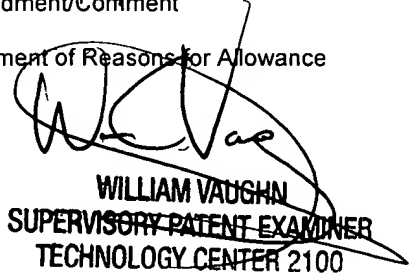
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

## Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material

5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413), Paper No./Mail Date 8/17/06
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

  
WILLIAM VAUGHN  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2100

**DETAILED ACTION**  
**EXAMINER'S AMENDMENT**

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Chester E. Martine, Jr. on 8/17/2006. The application has been amended as follows:

**CROSS REFERENCE TO RELATED APPLICATIONS**

This application is related to U.S. Patent Application No. 09/812537 (Attorney Docket No. SUNMP002B), filed March 19, 2001, and entitled "Method and Apparatus for Providing Application Specific Strategies to a Java Platform including Load Balancing Policies," which is incorporated herein be reference.

1. (currently amended) A system for providing application-specific strategies to a JAVA platform, comprising:

a runtime subsystem; and

an application having an application control module in communication with the runtime subsystem, the application further including a plurality of service modules in communication with the application control module, the application control module being executed as part of the

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application and including application-specific policies in a JAVA code form for the JAVA application and providing the application-specific policies to an underlying JAVA platform without breaking the underlying JAVA platform, the application control module being capable of starting a child application, the starting being in accordance with the application-specific policies, the application control module starting the child application by starting a child control module, the child control module being part of the child application, the application control module being configured to provide the application-specific policies to be passed to the child control module.

Claim 2. (cancelled):

Claim 3. (original) A system as recited in claim 1, wherein the application-specific policies include application-specific start polices.

Claim 4. (original) A system as recited in claim 3, wherein the application-specific policies include application-specific stop polices.

Claim 5. (previously amended) A system as recited in claim 4, wherein the application control module manages the service modules.

Claims 6 and 7 (canceled)

Claim 8. (currently amended) A method for starting a child application having application-specific strategies of a parent JAVA application in a JAVA environment, comprising the operations of:

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providing a parent control module having the application-specific policies, in a JAVA code form, for the parent JAVA application, and the application-specific policies are provided to an underlying JAVA platform without altering the Java platform, the application-specific policies including an application start policy;

generating a child control module using the parent control module, the child control module being part of the child application;

requesting the child control module to start the child application in accordance with the application-specific policies, the requesting including the application-specific policies from the parent control module; and

executing the child application using the child control module operating in response to the requesting.

Claim 9. (previously amended) A method as recited in claim 8, further comprising the operation of sending a parent control module request from the parent control module to a runtime executive subsystem, the parent control module request including a message to start the child application, the parent control module request including data for the application-specific policy.

Claim 10. (original) A method as recited in claim 8, further comprising the operation of starting a plurality of service modules using the child control module, the plurality of service modules being part of the child application.

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Claim 11. (original) A method as recited in claim 10, further comprising the operation of sending a request from the child control module to the runtime executive subsystem, the request including a message to start a service module.

Claim 12. (original) A method as recited in claim 11, wherein each service module is executed using a server subsystem.

Claim 13. (original) A method as recited in claim 12, wherein the child control module includes the application-specific policies of the parent control module.

Claim 14. (cancelled):

Claim 15. (currently amended) A method for stopping a child application configured with a child control module having application-specific strategies in a JAVA environment, comprising the operations of:

providing a parent control module having application-specific policies for a parent JAVA application, in a JAVA code form, and the application-specific policies being ~~are~~ provided to an underlying JAVA platform without altering the JAVA platform, the application-specific policies including an application stop policy;

stopping execution of the child application, the stopping being implemented via the child control module in response to a request originated by the parent control module, the child control module performing the application stop policy of the application-specific policies of the parent control module; and

stopping execution of the child control module in response to the request originated by the parent control module.

Claim 16. (previously amended) A method as recited in claim 15, further comprising the operation of sending the request from the parent control module to a runtime executive subsystem, the request including a message to stop the child application.

Claim 17. (original) A method as recited in claim 16, further comprising the operation of stopping a plurality of service modules using the child control module, the plurality of service modules being part of the child application.

Claim 18. (previously amended) A method as recited in claim 17, further comprising the operation of sending a child control module request from the child control module to the runtime executive subsystem, the request including a message to stop the child application.

Claim 19. (original): A method as recited in claim 15, wherein the child control module includes the application-specific policies of the parent control module.

Claim 20. (cancelled):

***Reason For Allowance***

1. Claims 1, 3-5, 8-13 and 15-19 are allowed.
2. The following is an examiner's statement of reasons for allowance: The closest prior art of record (US Patent No. 6,167,427 by Rabinovich et al) does not teach nor suggest in detail using an application control module that is capable of starting a child application base on an

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application-specific policies in which the application control module is being configured to provide the application-specific policies to be passed to the child control module in combination with all the elements of each independent claim as argued by the Applicant (See Pages 12-14 of Applicant enabling specification, Page 2 line 8–Page 4 line 4 of argument presented 5/19/2006). Rabinovich only teaches about a creating replication (similar to Applicant creation process) to support a load balancing system. Whereas as claimed by the Applicant, the application control module is being configured to provide the application-specific policies to be passed to the child control module. This approach has the advantage of being more dynamic and specific in the creation of child application. So as indicated by the above statements, Applicant's arguments have been considered persuasive in light of the claim limitations as well as the enabling portions of the specification.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

***Terminal Disclaimer***

3. The terminal disclaimer filed on 18 August 2006 disclaiming the terminal portion of any patent granted on this application which would extend beyond the expiration date of U.S. Patent Application No. 09/812,537 has been reviewed and is accepted. The terminal disclaimer has been recorded.

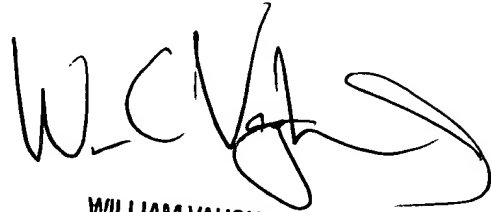
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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michael S. A. Delgado whose telephone number is (571) 272-3926. The examiner can normally be reached on 7.30 AM - 5.30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, William C. Vaughn Jr. can be reached on (571) 272-3922. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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